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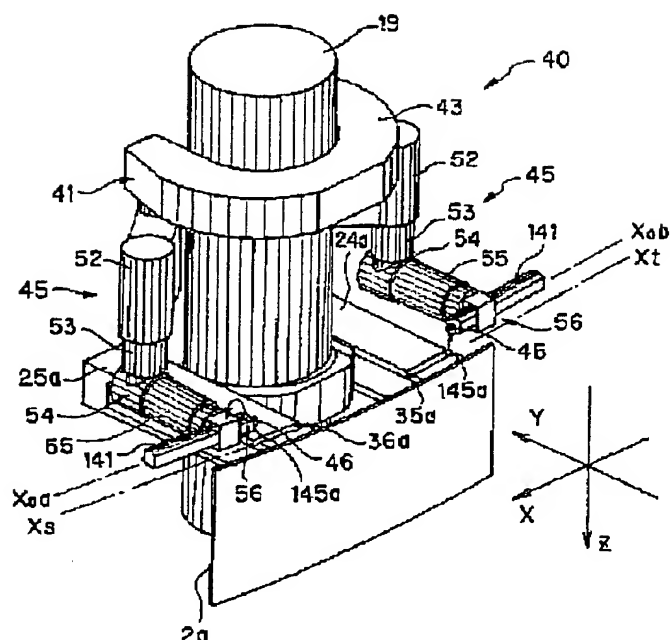
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TITLE : WELDING ROBOT



ABSTRACT : PROBLEM TO BE SOLVED: To provide a robot which carries out a welding automatically against a welding point of a piping and a piping related equipment at a narrow part of the piping periphery.

SOLUTION: This welding robot 40 is provided with, a nearly horse shoe shaped flame 43 being arranged in a way to embrace a riser pipe 19, and a clamp part 41 having a pair of holding arms which are installed inside of the flame 43 and move in a direction to meet and separates each other against the riser pipe 19 to hold an outer periphery of the riser pipe 19; a pair of two arms multi shafts type arms 45, each one end part of which is mounted at a position where they are facing each other, with the riser pipe 19 between, at one side face crossing with a core shaft of the riser 19 on the flame 43, and the other end, namely a welding torch supporting frame 141 of the welding torch supporting part 56, is movable in three dimensional directions; and the welding operation carry out purpose welding torches 46, each of which is mounted to the weld torch supporting frame 141 of the welding torch supporting part 56 of each multi shaft type arm 45 and integrally moves in accordance with a movement of the torch supporting frame 141.

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